



NOAA in Your Backyard – The Pacific Islands Region

Educational Opportunities and Education/Outreach Specialists for American Samoa, Commonwealth of the Northern Mariana Islands, Federated States of Micronesia, Guam, Hawaii, Republic of Palau, and Republic of the Marshall Islands

NOAA in Your State – State by State Listings of NOAA Facilities and Programs

* A summary of NOAA facilities, staff, programs, or activities based in, or focused on, your state or territory.

- <http://www.legislative.noaa.gov/NIYS/>

National Weather Service – School Visits, Forecast Office Tours, Student and Educator Resources

* The National Weather Service provides weather, hydrologic, and climate forecasts and warnings for the United States, its territories, adjacent waters and ocean areas.

- **Chuuk Weather Service Office (Chuuk, Federated States of Micronesia)** – <http://www.prh.noaa.gov/chuuk/>
Contact: Johannes Berdon (Meteorologist) - johannes.berdon@noaa.gov
- **Guam Weather Forecast Office (Barrigada, Guam)** – <http://www.prh.noaa.gov/guam/>
Contact: Charles (Chip) Guard (Warning Coordination Meteorologist) - chip.guard@noaa.gov
- **Honolulu Weather Forecast Office (Honolulu, HI)** – <http://www.weather.gov/hawaii>
Contact: Christopher Brenchley (Meteorologist in Charge) - christopher.brenchley@noaa.gov
- **Koror Weather Service Office (Koror, Republic of Palau)** – <http://www.prh.noaa.gov/koror/>
Contact: Maria Ngemaes (Meteorologist) - maria.ngemaes@noaa.gov
- **Majuro Weather Service Office (Majuro, Republic of the Marshall Islands)** – <http://www.prh.noaa.gov/majuro/>
Contact: Reggie White (Meteorologist) - reginald.white@noaa.gov
- **Pago Pago Weather Service Office (Pago Pago, American Samoa)** – <http://www.weather.gov/ppg/>
Contact: Carol Baqui (Meteorologist) - carol.baqui@noaa.gov
- **Pohnpei Weather Service Office (Pohnpei, Federated States of Micronesia)** – <http://www.prh.noaa.gov/pohnpei/>
Contact: Johnny Musrasrik (Meteorologist) - johnny.musrasrik@noaa.gov
- **Yap Weather Service Office (Yap, Federated States of Micronesia)** – <http://www.prh.noaa.gov/yap/>
Contact: Joe Lukangaw (Meteorologist) - joe.lukangaw@noaa.gov

National Marine Fisheries in the Pacific Islands Region – Student Opportunities, Laboratory Facilities, NOAA Scientists

* The NOAA Fisheries Service is dedicated to the stewardship of living marine resources through science-based conservation and management, and the promotion of healthy ecosystems. They have regional offices and several smaller field offices.

- **National Website** – www.nmfs.noaa.gov/stories/2012/10/noaa_fisheries_education.html
- **Pacific Islands Regional Office (headquarters in Honolulu, HI)** – <http://www.fpir.noaa.gov/>
Contact: Scott Bloom (Marine Education and Training Program) - scott.bloom@noaa.gov and Michelle Mansker (Program Analyst/Education Contact) - michelle.mansker@noaa.gov
Field Offices: Pago Pago, AS; Tiyan, GU; and Saipan, MP
- **Pacific Islands Fisheries Science Center (headquarters in Honolulu, HI)** – <http://www.pifsc.noaa.gov/outreach/index.php>
Contact: Jolene Lau (Outreach and Education Coordinator) – Jolene.lau@noaa.gov
Field Offices: Pago Pago, AS; Tiyan, GU; and Saipan, MP

National Sea Grant Program – Professional Development, Curriculum, Student and Educator Resources

* Sea Grant is a nationwide network of 32 university-based programs that conduct scientific research, education, training, and extension projects designed to foster science-based decisions about the use and conservation of our aquatic resources.

- **Guam Sea Grant** – <http://cnas-re.uog.edu/uog-sea-grant/education/>
Contact: Laura Biggs (Education and Outreach Coordinator) – laura.uogseagrant@gmail.com
- **Hawaii Sea Grant** – <http://seagrant.soest.hawaii.edu/>
Contact: Darren Okimoto (Interim Associate Director - Education Program Leader) - okimotod@hawaii.edu



NOAA National Marine Sanctuaries – Field Trips, Professional Development, Educator Resources

**The NOAA Office of National Marine Sanctuaries (13 National Marine Sanctuaries and one Marine National Monument) serves as the trustee for the nation's system of marine protected areas, to conserve, protect and enhance their biodiversity, ecological integrity and cultural legacy.*

- **National Website** – <http://sanctuaries.noaa.gov/education/welcome.html>
- **Hawaiian Islands Humpback Whale National Marine Sanctuary** – <http://hawaiihumpbackwhale.noaa.gov/>
Contact: Patricia Miller (Education Coordinator) – patty.miller@noaa.gov
Ka’au Abraham (Maui Island Education Coordinator) – kaau.abraham@noaa.gov
- **National Marine Sanctuary of American Samoa** – <http://americansamoa.noaa.gov/>
Contact: Veronika Mortenson (Education and Outreach Coordinator) – veronica.mortenson@noaa.gov
- **Papahānaumokuākea National Marine Monument** – <http://www.papahanaumokuakea.gov/>
Contact: Andy Collins (Education and Technology Coordinator) – andy.collins@noaa.gov

Integrated Ocean Observing System (IOOS) – Curriculum, Real World Data, and Multimedia

**The Pacific Islands Ocean Observing System (PacIOOS) empowers ocean users and stakeholders in the Pacific Islands by providing accurate and reliable coastal and ocean information, tools, and services that are easy to access and use.*

- **IOOS National Website** – <https://ioos.noaa.gov/community/education/>
- **PacIOOS (Honolulu, HI)** – <http://www.pacioos.org/education-resources/>
Contact: Fiona Langenberger (Communications and Program Coordinator) – fiona.langenberger@hawaii.edu

NOAA Office of Coastal Management-Pacific Islands – Curriculum, Real World Data, Grants, Local Resources

**The Pacific Islands office delivers meaningful products and services to address the coastal resource management needs in the State of Hawai’i, territories of American Samoa and Guam, and Commonwealth of the Northern Mariana Islands (CNMI).*

- **Located in Honolulu, HI** – <https://coast.noaa.gov/regions/pacific/education>
Contacts: Stephanie Bennett (Grant Program Manager) – stephanie.bennett@noaa.gov; Paulo Maurin (Corals Management Liason) – paulo.maurin@noaa.gov; Dana Okano (CNMI Coral and Coastal Zone Management Liaison) – dana.okano@noaa.gov; Adrienne Loerzel (Guam Coral and Coastal Zone Management Liaison) – adrienne.loerzel@noaa.gov; Hideyo Hattori (American Samoa Coral and Coastal Zone Management Liaison) – hideyo.hattori@noaa.gov

Hawaii B-WET Program – Competitive Grants for Educator Watershed Training Programs

** B-WET is an environmental education program that promotes locally relevant, experiential learning in the K-12 environment.*

- **National Website** – <http://www.noaa.gov/office-education/bwet>
- **Hawaii B-WET** – <https://coast.noaa.gov/regions/pacific/education/bwet/>
Contact: Jim Foley (Pacific Services Center) – jim.foley@noaa.gov

National Ocean Science Bowl – Regional Competitions in the Ocean Sciences

** The NOSB is a national high school academic competition with regional competitions for student teams to test their knowledge of the marine sciences including biology, chemistry, physics, and geology.*

- **National Website** – <http://nosb.org>
- **Aloha Bowl** – <http://seagrant.soest.hawaii.edu/aloha-bowl>
Contact: Cindy Knapman (Regional Coordinator) – lknapman@hawaii.edu

Pacific Tsunami Warning Center (PTWC) – Tsunami Warnings, Watches, and Advisories; Office Tours, Real-time and Historic Data

** The PTWC office supports an increased capability of the tsunami warning system for the Pacific basin. This includes the observational system (sea level, seismic and GPS) and the continued enhancement of tsunami outreach and education capacity, including the implementation of the TsunamiReady® (US) and Tsunami Ready (International) Programs.*

- **Located in Ewa Beach, HI** – <http://ptwc.weather.gov/>
Contact: Nathan Becker (Oceanographer) – nathan.becker@noaa.gov

Central Pacific Hurricane Center (CPHC) – Hurricane Information and Data, Preparedness Information, Educator Resources

**The Central Pacific Hurricane Center (CPHC) issues tropical cyclone warnings, watches, advisories, discussions, and statements for all tropical cyclones in the Central Pacific from 140 Degrees West Longitude to the International Dateline.*

- **Located in Honolulu, HI** – <http://www.prh.noaa.gov/cphc/>
Contact: Christopher Brenchley (Meteorologist In Charge) - christopher.brenchley@noaa.gov

Hawaii Coral Reef Initiative Research Program (HCRI-RP) – Games, Videos, Publications, Events, K-3 Curriculum

**HCRI-R was established in 1998 with the goal of increasing understanding of our valuable, yet vulnerable, nearshore reef ecosystem. They also fund scientific research and monitoring in order to advance effective resource management within the state of Hawaii.*

- **Located in Honolulu, HI** – <http://www.hcri.ssri.hawaii.edu/education/education.html>
Contact: Kristine Davidson (Program Director) - KristineDavidson@hawaii.rr.com

Northern Mariana Islands Coral Reef Initiative – Educator and Student Resources, Events, Student Internships

**The Commonwealth of the Northern Mariana Islands' Coral Reef Initiative (CRI) is a cross-agency initiative to protect and preserve CNMI's coral reefs and to ensure the responsible management of the resources associated with those habitats.*

- **Located in Saipan, MP** – <http://cnmicoralreef.com/our-work/education-outreach-2.htm>
Contact: Jihan Buniag (Education and Outreach Coordinator) - jihan.buniag@gmail.com

Pacific Regional Integrated Sciences and Assessments (RISA) Program – Pacific Climate Change Resources, Case Studies, Data

**The Pacific RISA program supports Pacific island and coastal communities in adapting to the impacts of climate variability and change. They strive to enhance Pacific communities' abilities to understand, plan for, and respond to changing climate conditions.*

- **Located in Honolulu, HI** – <http://www.pacificrisa.org/education-outreach/>
Contact: Krista Jaspers (Project Assistant) - JaspersK@EastWestCenter.org

Joint Institute for Marine and Atmospheric Research (JIMAR) – Connect to Scientists, Local Research, Student Opportunities

**JIMAR was established to pursue the common research interests of NOAA and the University of Hawaii-Manoa in oceanic, atmospheric, and geophysical research. Major areas of research include ecosystem forecasting and monitoring, protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis.*

- **Located in Honolulu, HI** – <http://www.soest.hawaii.edu/jimar/index.html>
Contact: Melanie Jordan (Outreach and Education Specialist) - melanie.jordan@noaa.gov

Centers for Ocean Science Education Excellence (COSEE) – Workshops, Educator and Student Resources, Connect to Scientists

**COSEE is a network of over 270 institutional partners with the mission to spark and nurture collaborations among research scientists and educators to advance ocean discovery and make known the vital role of the ocean in our lives. (Most information is archived)*

- **National Website** – <http://www.cosee.net/>
- **COSEE Island Earth (HI)** – <http://www.cosee-ie.net/>
Contact: Judith Lemus (Education and Outreach Coordinator) - jlemus@hawaii.edu
- **COSEE Pacific Partnerships (OR, WA, CA, HI)** – <http://www.coseepacificpartnerships.org/>
Contact: Jan Hodder (Director) - jhodder@uoregon.edu

Local NOAA Vessels – Follow Current Science in the Pacific Ocean

- **Marine Operations Center-Pacific Islands** – <http://www.oma.noaa.gov/explore/facilities/marine-operations-center-pacific-islands-moc-pi>
- **NOAA Teacher at Sea** (follow teacher blogs onboard the ships) – <http://teacheratsea.noaa.gov/>
- **NOAA Ship Hi'ialakai** – <https://www.oma.noaa.gov/learn/marine-operations/ships/hiialakai>
- **NOAA Ship Oscar Elton Sette** – <https://www.oma.noaa.gov/learn/marine-operations/ships/oscar-elton-sette>

Local Weather Events – Local Historical Weather Data

- Historical Hawaii Weather Events – <http://www.prh.noaa.gov/hnl/pages/events.php>
- Top Central Pacific Hurricanes – <http://www.prh.noaa.gov/cphc/summaries/>

Pacific Islands Data Resources – Historical and Real-Time Data

- American Samoa Data Products – <http://www.weather.gov/ppg/products>
- Guam Data Products – <http://www.prh.noaa.gov/guam/Products.php>
- Majuro Climate Products – http://www.weather.gov/prh/data_products_majuro
- Palau Data Products – http://www.weather.gov/prh/data_products_palau
- Hawaii Tiger Shark Tracking Data – <http://pacioos.org/projects/sharks>
- Wave Buoy Data – <http://www.pacioos.hawaii.edu/waves-category/buoy/>
- Hawaii Beach Safety – <http://hawaiibeachsafety.com/>
- PacIOOS Voyager (online mapping) – <http://www.pacioos.hawaii.edu/voyager/>
- American Samoa Weather and Climate Data (NOWData) – <http://w2.weather.gov/climate/xmacis.php?wfo=samoa>
- Pacific Tsunami Warning Center YouTube Channel – <https://www.youtube.com/user/PacificTWC>
- Tsunami Hazards Interactive Map – <https://maps.ngdc.noaa.gov/viewers/hazards/?layers=0>
- Sea Level Rise and Coastal Flooding Impacts Viewer – <https://coast.noaa.gov/digitalcoast/tools/slr.html>
- Pacific Islands Integrated Ocean Observing System - <https://ioos.noaa.gov/regions/pacioos/>
- NOAA Coral Reef Information System Pacific Regional Portal – <https://www.coris.noaa.gov/portals/>
- Pacific Islands Tide Predictions – http://tidesandcurrents.noaa.gov/tide_predictions.html?gid=1749#listing
- Benthic Habitat Mapping and Data – http://www.soest.hawaii.edu/pibhmc/pibhmc_cnmi.htm
- Hawaii Regional Climate Summary – http://www.weather.gov/peac/Hawaii_Regional_Summary
- Tropical Atmosphere Ocean Array – <http://tao.ndbc.noaa.gov/>
- South Pacific Recent Marine Data – http://www.ndbc.noaa.gov/maps/South_Pacific.shtml
- Hawaiian Islands Recent Marine Data – <http://www.ndbc.noaa.gov/maps/Hawaii.shtml>
- Hawaiian Island Flood Prediction – <http://water.weather.gov/ahps2/index.php?wfo=hnl>
- Guam Graphical Weather Forecasts – <http://graphical.weather.gov/sectors/guam.php>
- Hawaii Graphical Weather Forecasts – <http://graphical.weather.gov/sectors/hawaii.php>
- Pacific Islands Fisheries Catch Limits – http://www.fpir.noaa.gov/SFD/SFD_regs_3.html
- Habitat Conservation Maps – http://www.fpir.noaa.gov/HCD/hcd_mapping.html
- Pacific Islands Remote Sensing Data – <http://oceanwatch.pifsc.noaa.gov/>

NOAA Science On a Sphere® (SOS) Locations – Earth Systems Data Shown on a 6-foot Globe

** SOS is a room-sized, global display system that uses computers and video projectors to display planetary data onto a six foot diameter sphere, analogous to a giant animated globe. It was developed by researchers at NOAA to help illustrate complex environmental processes (atmospheric storms, ocean currents, climate change, etc...) in a captivating way.*

- Governor Tauese P.F. Sunia Ocean Center (Pago Pago, American Samoa) – <http://americansamoa.noaa.gov/about/ocean-center.html>
- Bishop Museum (Honolulu, HI) – <http://www.bishopmuseum.org/>
- Imiloa, Astronomy Center of Hawaii (Hilo, HI) – <http://www.imiloahawaii.org/>
- NOAA Inouye Regional Center (Honolulu, HI) – <http://www.corporateservices.noaa.gov/~ocao/irc/index.html>